




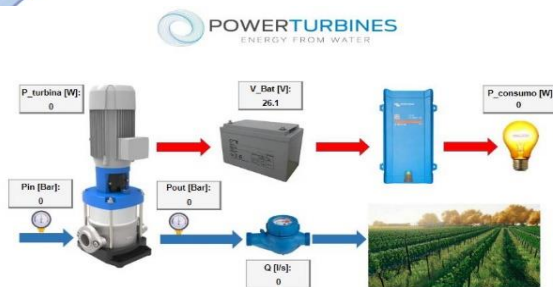




GENERAL INFORMATION

-  CÓRDOBA (SPAIN)
-  PRESSURE DROP: 50 METERS
-  FLOW: 4,3 LITERS/SECOND
-  GENERATED POWER: 900W
-  SELF-CONSUMPTION BATTERY CHARGING TURBINE



BACKGROUND

The client to whom we have already installed one of our Microbat turbines on previous occasions, contacts us since he has an irrigation hydrant on an experimental farm where he wants to generate electricity to avoid having to run an electrical line to the irrigation hydrant. You also need to complement the installation with a flowmeter to know the flow through the turbine and with a data monitoring system.

THE SOLUTION

Thanks to the installation of the turbine, the client already has electrical energy available at that point. A monitoring system is installed to know at all times the flow that passes through the turbine, the pressure upstream and downstream in it, the voltage of the batteries, the intensity that loads the turbine, the electrical consumption of the installation as well other parameters to check the correct operation of the installation.